

Title (en)
SENSOR DEVICE

Title (de)
SENSORVORRICHTUNG

Title (fr)
APPAREIL CAPTEUR

Publication
EP 3306745 A1 20180411 (EN)

Application
EP 15894888 A 20150608

Priority
JP 2015066514 W 20150608

Abstract (en)
There are provided correlation process units 5-1 (5-2, ... , and 5-N) for performing a cross-correlation process between replicas of a plurality of mutually orthogonal transmission signals and reception signals of receiving antenna elements 3-1 (3-2, ... , and 3-N) and outputting a plurality of signals after the cross-correlation process, and a weighting unit 6 for weighting the plurality of signals after the cross-correlation process outputted from the correlation process units 5-1 to 5-N in accordance with the arrangement of transmitting antennas 2-1 to 2-3 and the receiving antenna elements 3-1 to 3-N and an antenna directivity pattern, and a signal combination unit 10 combines the plurality of signals after the cross-correlation process that are weighted by the weighting unit 6.

IPC 8 full level
H01Q 3/26 (2006.01); **G01S 13/02** (2006.01)

CPC (source: EP US)
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H01Q 3/26 (2013.01 - EP US); **H01Q 3/28** (2013.01 - EP US); **H01Q 21/061** (2013.01 - EP US); **H01Q 21/08** (2013.01 - EP US);
G01S 7/406 (2021.05 - US)

Cited by
CN108763740A

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AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

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US 10101440 B2 20181016; **US 2018017666 A1 20180118**; EP 3306745 A1 20180411; EP 3306745 A4 20180425; EP 3306745 B1 20210721;
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